

## 101.4 - High Alloy Steels (chip form) [150-g units (unless otherwise noted)]

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	126c	344	345a	346a	348a	862	868
Description	High-Nickel Steel (36 % Ni)	HA Steel, (Mo Precipitation Hardening)	HA Steel, (Cu Precipitation Hardening)	Valve Steel	Hi Temp. Alloy, (A286) Ni-Cr	High Temp. Alloy L605	High Temp. Alloy Fe-Ni-Co
Unit of Issue	(150 g)	(150 g)	(150 g)	(150 g)	(150 g)	(100 g)	(100 g)
C %	0.02540	0.069	0.040	0.502	0.0428	0.120	0.022
Mn %	0.4684	0.57	0.79	9.16	0.652	1.59	0.052
P %	0.00350	0.018	0.024	0.031	0.0239	0.002	
S % (Comb)	0.0050	0.019	0.012	0.002	0.00095	0.0008	0.0025
Si %	0.1936	0.395	0.61	0.219	0.411	0.017	0.097
Cu %	0.0396	0.106	3.39	0.375	0.137	0.0010	0.022
Ni %	36.054	7.28	4.27	3.43	24.08	9.74	37.78
Cr %	0.0625	14.95	15.52	21.08	14.65	20.0	0.077
V %	(0.001)	0.040	0.080	0.096	0.229	0.005	0.077
Mo %	0.0110	2.40	0.43	0.237	1.15	1.80	0.014
Co %	0.0080		0.099	(0.05)	0.151	15.1	16.1
Ti %		0.076	(	(	2.18	51.5	1.48
Al % (total)		1.16	(	(0.001)	0.249	0.026	0.99
Nb %			0.27	(0.01)	0.067	(	2.99

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Unit of Issue	(150 g)	(150 g)	(150 g)	(150 g)	(150 g)	(100 g)	(100 g)
Ta %			W 0.309	Sn (0.008)	(<0.001)	(	0.003
B %			(	(	0.00519	(	0.0078
Fe %			N 0.031	N 0.442	55.6	(	40.5
W %					0.0695		
Ag %					(0.000025)		
As %					(<0.005)		
Bi %					(<0.0001)		
N %					(0.003)		

Values in parentheses are given for information only.

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Pb %	(<0.0003)
Sn %	(<0.033)
Zr %	(<0.018)

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